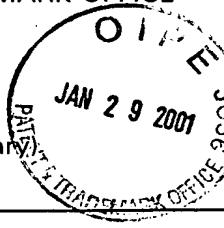


FORM PTO-1449

U. S DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)



ATTY. DOCKET NO.

U 011574-0

SERIAL NO.

08/981,360

## APPLICANT

Kari KIRJAVAINEN, et al.

FILING DATE

GROUP

December 18, 1997

-- 1772

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
CB	AA	3	4	2	5	4	5	5	2/1969	KILPERT, ET AL.	138	143	—
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
													YES	NO	
CB	AL	0	3	5	3	9	7	7	2/1990	EP	—	—	X		
CB	AM	5	6	8	1	4	8		10/1975	CH	—	—			X
	AN														
	AO														
	AP														

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	
	AS	
	AT	

EXAMINER

*Chris Brumley*

DATE CONSIDERED

4/22/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

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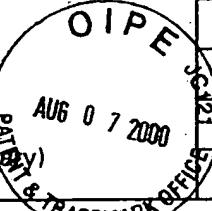
08/981,360

APPLICANT

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Kari KIRJAVAINEN, et al.

(Use several sheets if necessary)



FILING DATE

December 18, 1997

GROUP

1772

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CB	AA	4	6	4	0	3	1	3	2/1987	STANLEY	138	141	—
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	
CB	AL	0	0	2	4	2	2	0	2/1981	EP	—	—	—	X
CB	AM	0	5	8	1	2	0	8	2/1994	EP	—	—	—	X
CB	AN	3	5	1	1	3	7	1	10/1986	DE	—	—	—	X
CB	AO	0	0	4	8	5	2	2	3/1982	EP	—	—	—	X
CB	AP	5	8	0	2	0	8	6	11/1986	AU	—	—	—	X

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

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	AS	
	AT	

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DATE CONSIDERED 4/22/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line

FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
		U 011574-0	08/981,360
		APPLICANT	
		Kari KIRJAVAINEN, et al.	
		FILING DATE	GROUP
		December 18, 1997	1772

REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA		3 4 2 5 4 5 5	2/1969	KILPERT, et al.	138	143	
AB							
AC							
AD							
AE							
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AH							
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AJ							
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FOREIGN PATENT DOCUMENTS										
		DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
									YES	NO
	AL	5 6 8 1 4 8	10/1975	CH						X
CB	AM	0 4 1 0 5 0 3	1/1991	EP	—	—	—	—	—	X
CB	AN	8 4 8 4 2 3	9/1960	GB	—	—	—	—	—	X
CB	AO	5 8 2 7 0 4 0	2/1983	JP	—	—	—	—	—	X
CB	AP	2 0 5 1 3 9 0	4/1972	DE	—	—	—	—	—	X

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
CB	AR	Patent Abstracts of Japan of JP58-27040 of Feb. 17, 1983
	AS	
	AT	

EXAMINER	Chris Brumley	DATE CONSIDERED	4/22/03
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FORM PTO-1449

U.S DEPARTMENT OF COMMERCE  
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SERIAL NO.

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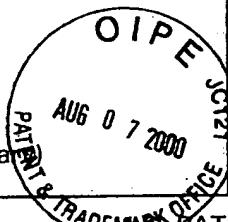
08/981,360

APPLICANT

Kari KIRJAVAINEN, et al.

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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## REFERENCE DESIGNATION

## PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA							
	BB							
	BC							
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION					
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CB	BL	2	2	1	8	7	7	3	11/1989	GB	—	—	X
CB	BM	4	0	3	9	7	5	7	4/1992	DE	—	—	X
	BN												
	BO												
	BP												

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	BR	
	BS	
	BT	

EXAMINER Ch. BenjDATE CONSIDERED 4/22/03

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
		U 011574-0	08/981,360
		APPLICANT	
		Kari KIRJAVAINEN, et al.	
		FILING DATE	GROUP
		December 18, 1997	1772

## REFERENCE DESIGNATION

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EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	BB							
	BC							
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## FOREIGN PATENT DOCUMENTS

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		YES	NO											
CB	BL	8	4	0	1	9	2	0	5/1984	WO	—	—	X	
	BM													
	BN													
	BO													
	BP													

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

CB	BR	Richard, K., et al., "Verfestigte Rohre aus Ziegler-Polyäthylen," Kunstoffe, vol. 50, no. 7, pp 371-375, 1960
CB	BS	Derwent's abstract of JP5024109 of Feb. 2, 1993
	BT	

EXAMINER <i>Chris B</i>	DATE CONSIDERED <i>4/22/03</i>
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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.	SERIAL NO.
				U 011574-0	08/981,360
				APPLICANT	
				Kari KIRJAVAINEN, et al.	
				FILING DATE	GROUP
				December 18, 1997	1772
		(Use several sheets if necessary)			

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CB	CA	3 3 1 4 1 0 8				4/1963	WIENAND, et al.	18	12	—
CB	CB	5 3 8 7 3 8 6				2/1995	K. KIRJAVAINEN	264	173	—
CC										
CD										
CE										
CF										
CG										
CH										
CI										
CJ										
CK										

## FOREIGN PATENT DOCUMENTS

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										YES				
										NO				
CB	CL	0	4	7	2	4	1	8		2/1992	EP	—	—	X
CB	CM	8	9	9	0	6	7	7	9	4/1994	EP	—	—	X
CB	CN	1	0	9	2	1	8	6		11/1960	DE	—	—	X
CB	CO	3	7	2	2	1	4			3/1923	DE	—	—	X
CB	CP	1	4	5	4	7	6	2		5/1969	DE	—	—	X

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

CB	CR	Derwent's abstract of JP1114418 of May 8, 1989
CB	CS	Derwent's abstract of SU1384-394-A of Jan. 14, 1986
	CT	

EXAMINER *Chr. B.*

DATE CONSIDERED

4/22/03

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FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	U.S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
		U 011574-0	08/981,360
		APPLICANT	
		Kari KIRJAVAINEN, et al.	
		FILING DATE	GROUP
		December 18, 1997	1772

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	DB							
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	DF							
	DG							
	DH							
	DI							
	DJ							
	DK							

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CB	DL	3	9	2	0	4	5	9/1965	CH	—	—	X	
CB	DM	0	1	5	3	7	1	5	9/1985	EP	—	—	X
	DN												
	DO												
	DP												

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

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DS	
DT	

EXAMINER	Chi. B.	DATE CONSIDERED	4/22/03
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